

Title (en)

SHAKE CORRECTING SYSTEM, LENS BARREL, IMAGING DEVICE AND HAND-HELD DATA TERMINAL

Title (de)

WACKELKORREKTURSYSTEM, OBJEKTIVTUBUS, BILDGEBUNGSVORRICHTUNG UND TRAGBARES DATENENDGERÄT

Title (fr)

SYSTÈME DE CORRECTION DE VIBRATION, BARILLET D'OBJECTIF, DISPOSITIF D'IMAGERIE ET TERMINAL DE DONNÉES PORTATIF

Publication

EP 2404216 A4 20160831 (EN)

Application

EP 10748853 A 20100226

Priority

- JP 2010053693 W 20100226
- JP 2009051355 A 20090304
- JP 2009191357 A 20090820

Abstract (en)

[origin: WO2010101260A1] A shake correcting system includes an optical imaging system, an image sensor, a movable unit comprising a movable frame in which the image sensor is fixed and a rotation restricting element, a base movably supporting the movable unit in a predetermined plane substantially orthogonal to an optical axis of the optical imaging system, a drive mechanism driving the movable unit relative to the base in directions vertical and orthogonal to the optical axis, a blur correcting function to correct blurs in a subject image due to shakes of the shake correcting system, a rotation restricting mechanism preventing rotation of the movable frame around the optical axis with the rotation restricting element, and a slide mechanism allowing the movable unit to be freely movable in the predetermined plane, and comprising a magnet, a magnetic plate attracted to the magnet, a spherical element supported between the magnetic plate and the magnet.

IPC 8 full level

G03B 5/00 (2006.01); **H04N 5/225** (2006.01); **H04N 5/232** (2006.01)

CPC (source: EP US)

G03B 5/00 (2013.01 - EP US); **H04N 23/687** (2023.01 - EP US); **G03B 2205/0015** (2013.01 - EP US); **G03B 2217/005** (2013.01 - EP US)

Citation (search report)

- [A] US 2006146400 A1 20060706 - SEO SHUZO [JP]
- [A] EP 1855145 A1 20071114 - TAMRON KK [JP]
- [A] EP 1871096 A2 20071226 - NIKON CORP [JP]
- See references of WO 2010101260A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

WO 2010101260 A1 20100910; CN 102414611 A 20120411; CN 102414611 B 20140507; EP 2404216 A1 20120111; EP 2404216 A4 20160831; EP 2404216 B1 20180404; JP 2010231168 A 20101014; JP 5090410 B2 20121205; US 2012038784 A1 20120216; US 8780217 B2 20140715

DOCDB simple family (application)

JP 2010053693 W 20100226; CN 201080019813 A 20100226; EP 10748853 A 20100226; JP 2009191357 A 20090820; US 201013202003 A 20100226